



Attorney's Docket No.: 11926-1-2001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Vincent P. Stanton, Jr.

Art Unit : 1637

Serial No. : 09/697,028

Examiner : S. Chunduru

Filed : October 25, 2000

Title : METHODS FOR GENETIC ANALYSIS OF DNA TO DETECT SEQUENCE
VARIANCES

BOX AF

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

Please amend the above application as follows.

In the claims:

Claims 10-16 are pending

10. (reiterated) A method for biasing a DNA amplification reaction such that a first nucleic acid molecule having a first nucleotide present at a polymorphic site is amplified to a greater extent than a second nucleic acid molecule having a second, different nucleotide present at the polymorphic site, comprising

(a) contacting a sample of DNA comprising at least the first nucleic acid molecule with two amplification primers that hybridize to both the first nucleic acid molecule and the second nucleic acid molecule at locations which flank the polymorphic site, one of the two primers including a 5' portion which, when incorporated into an amplification product, will upon further amplification yield products that form a stable stem-loop structure, the stem of which is perfectly matched and includes the polymorphic site only when the second nucleotide is present at the polymorphic site, but not when the first nucleotide is present at the polymorphic site; and

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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